



Windows App SDK



Buy me a coffee

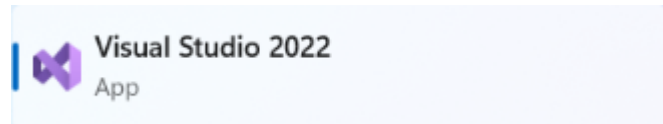
Hello World

Hello World has been used to introduce many new programming languages, in this case it is an introduction to the **Windows App SDK** and will display a Message when you **Click** on a **Button**.

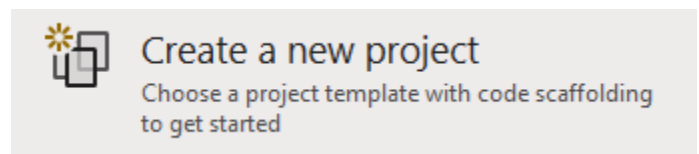
Step 1

Follow **Setup and Start** on how to get **Setup** and **Install** what you need for **Visual Studio 2022** and **Windows App SDK**.

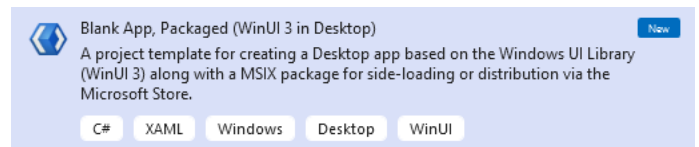
In **Windows 11** choose **Start** and then find or search for **Visual Studio 2022** and then select it.



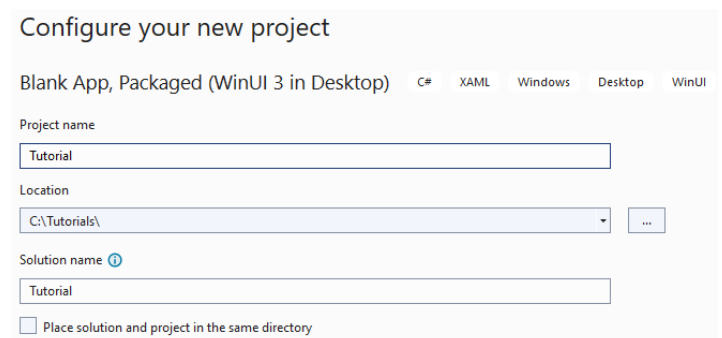
Once **Visual Studio 2022** has started select **Create a new project**.



Then choose the **Blank App, Packages (WinUI in Desktop)** and then select **Next**.

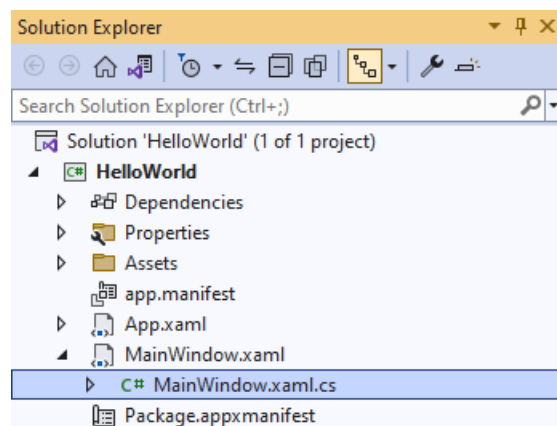


After that in **Configure your new project** type in the **Project name** as *HelloWorld*, then select a Location and then select **Create** to start a new **Solution**.



Step 2

Within **Solution Explorer** for the **Solution** select the arrow next to **MainWindow.xaml** then double-click on **MainWindow.xaml.cs** to see the **Code** for the **Main Window**.



Step 3

In the **Code** for **MainWindow.xaml.cs** there will already be a **Method** of **myButton_Click(...)** and within this the following **Line** should be **Removed**:

```
myButton.Content = "Clicked";
```

Step 4

Then in **myButton_Click(...)** where **myButton.Content = "Clicked";** was **Removed** type in the following:

```
await new ContentDialog()  
{  
    XamlRoot = Content.XamlRoot,  
    Content = "Hello World",  
    PrimaryButtonText = "Close"  
}  
.ShowAsync();
```

This will create a **ContentDialog** with the **Content** of *Hello World* with the **PrimaryButtonText** of **Close** and uses the **Method** for **ShowAsync** to display the **ContentDialog**. It also sets the **XamlRoot** to allow the **ContentDialog** to work correctly. The **Method** of **ShowAsync** uses the **Keyword** for **await** which means it will perform a **Task** that won't happen at the same time, or **Asynchronously**.

Step 5

While still in the **Method** for **myButton_Click(...)** between **private** and **void** type in the following:

```
async
```

Because the **Method** for **ShowAsync** is **Asynchronous** using the **Keyword** of **await** so you need to mark the **Method** it is used in as such, this done with the **Keyword** of **async**.

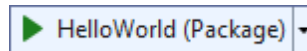
The **Method** for `myButton_Click(...)` should look as follows:

```
private async void myButton_Click(object sender, RoutedEventArgs e)
{
    await new ContentDialog()
    {
        XamlRoot = Content.XamlRoot,
        Content = "Hello World",
        PrimaryButtonText = "Close"
    }
    .ShowAsync();
}
```

When the **Button** is **Clicked**, the **Method** of `myButton_Click(...)` will be triggered and this display a **ContentDialog** with the **Content** of *Hello World*.

Step 6

That completes the **Windows App SDK** Application. In **Visual Studio 2022** from the **Toolbar** select **HelloWorld (Package)** to **Start** the Application.



Step 7

Once running you should see the **Button** with the Text *Click Me*

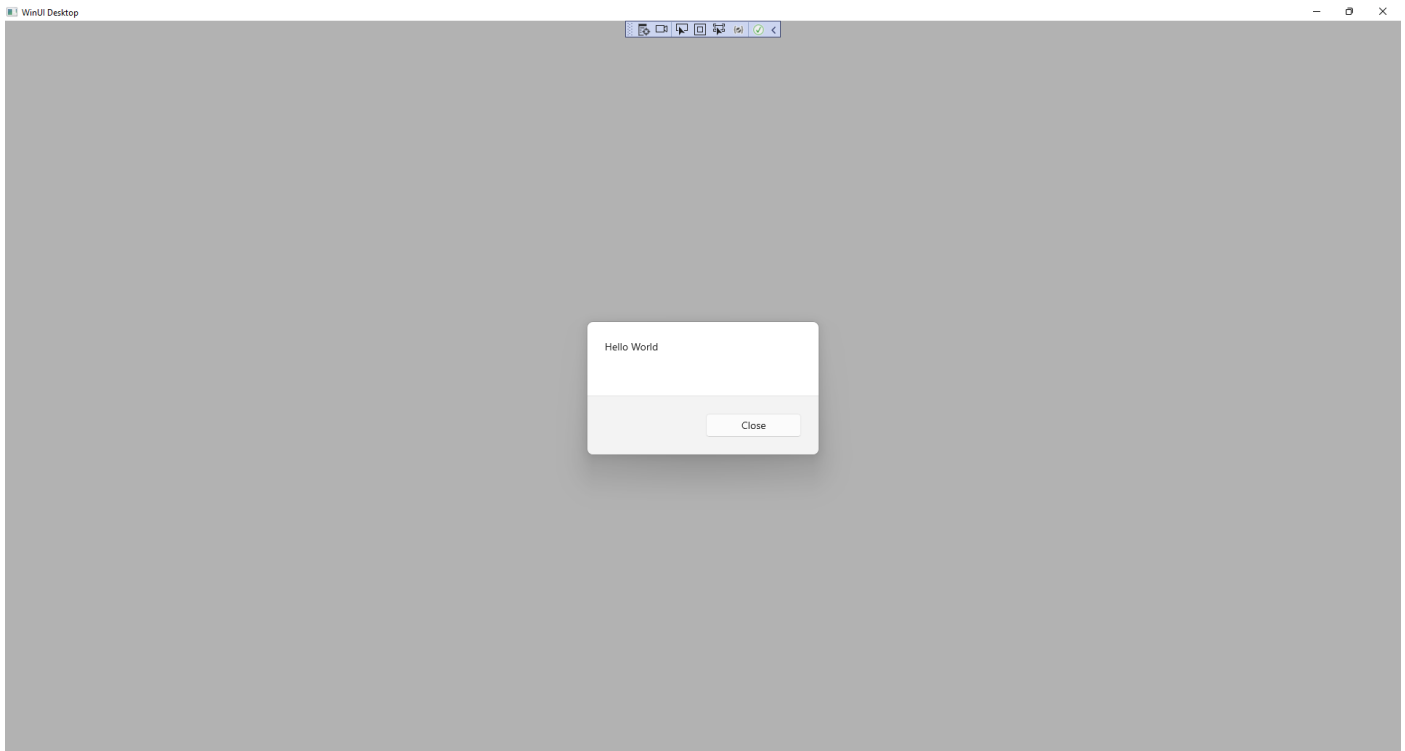
WinUI Desktop



Click Me

Step 8

If you **Click** on the **Button** with the Text *Click Me* it will display the **ContentDialog** which you can then dismiss with the **Button** for **Close**.



Step 9

To **Exit** the **Windows App SDK** Application, select the **Close** button from the top right of the Application as that concludes this **Tutorial** for **Windows App SDK** from tutorialr.com!

